

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>1692B/MG</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. <b>PCT/IT2004/000632</b>	International filing date (day/month/year) <b>16/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>17/11/2003</b>
Applicant  <b>OLIVETTI TECNOST S.P.A.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

a. the figure of the drawings to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IT2004/000632A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B41J3/54 B41J3/407

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B41J G01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 928 698 A (ZEBRA TECHNOLOGIES CORPORATION; ZIH CORPORATION) 14 July 1999 (1999-07-14)	1,7,8
A	column 3, line 12 - line 55 column 11, line 1 - line 22; figure 8	2-6,9-13
X	GB 2 072 102 A (MAATSCHAPPIJ VAN BERKEL'S PATENT NV) 30 September 1981 (1981-09-30)	11,13
Y	page 1, line 22 - line 110; figure 3	1-8
Y	US 2003/086740 A1 (MIYAJIMA TAKEO) 8 May 2003 (2003-05-08)	1-8
A	page 1, paragraph 4 - paragraph 11; figure 4	9
A	EP 0 834 828 A (SEIKO EPSON CORPORATION) 8 April 1998 (1998-04-08)	10
	page 2, line 28 - line 31; figure 3	
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

4 March 2005

Date of mailing of the international search report

11/03/2005

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IT2004/000632

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 198 117 A (MATSUMOTO INC) 17 April 2002 (2002-04-17) claim 1; figures 2,3,5a,5b	1-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT2004/000632

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0928698	A	14-07-1999	US 6151037 A	21-11-2000
			DE 69820019 D1	08-01-2004
			DE 69820019 T2	03-06-2004
			EP 0928698 A1	14-07-1999
			ES 2212219 T3	16-07-2004
			HK 1023313 A1	21-05-2004
			JP 11286148 A	19-10-1999
			AU 2893599 A	20-09-1999
GB 2072102	A	30-09-1981	DE 3010848 A1	01-10-1981
			FR 2478850 A1	25-09-1981
			SE 443256 B	17-02-1986
			SE 8101704 A	22-09-1981
US 2003086740	A1	08-05-2003	JP 2003141639 A	16-05-2003
EP 0834828	A	08-04-1998	CN 1178938 A ,C	15-04-1998
			DE 69727875 D1	08-04-2004
			DE 69727875 T2	20-01-2005
			EP 0834828 A2	08-04-1998
			JP 10119391 A	12-05-1998
			US 5911527 A	15-06-1999
EP 1198117	A	17-04-2002	JP 2002113854 A	16-04-2002
			CN 1347810 A	08-05-2002
			EP 1198117 A2	17-04-2002
			TW 492924 B	01-07-2002